

EXPANDED POLYETHYLENE FOAM (EPE) EXPANDED POLYPROPYLENE FOAM (EPP) FABRICATED PACKAGING

Expanded Polyethylene Foam is non-abrasive, soft and yet highly resistant to oil, chemicals and have excellent resistance to shearing from concentrated stress points.

A good package design should provide sufficient protection to prevent or minimize the effect of physical abuse, corrosion, temperature extremes, chemical attack, aging and other adverse conditions that may occur in shipping or storage.

Expanded Polypropylene Foam has excellent thermal resistance and dimensional stability. The resin used is the most efficient energy absorbing resilient foam and requires minimum amount of foam to provide competent protection.

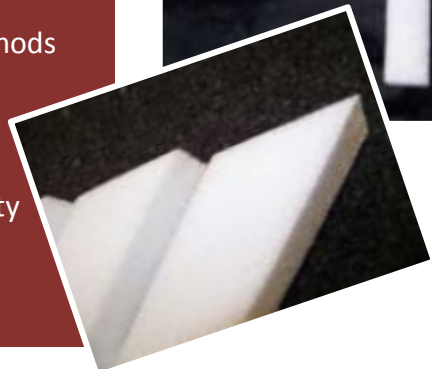
Superior Capabilities

EPE & EPP Plank products are very “forgiving”, in that they retain their shape as well as their performance.

- ◆ The uniform compressive characteristics result in a straight side wall surface.
- ◆ The low dynamic set of the resins provides excellent rebound and minimum distortion.
- ◆ EPP& EPE planks provide optimal surface area for bonding, resulting in aesthetically pleasing parts, tighter product to cushioning fit, and tighter cushion to carton fit.
- ◆ Some ‘alternative’ foams cell structure can break down during die cutting, deteriorating performance and produce concavity or “hourglassing effect”, which can reduce the surface area to be bonded when heat welding, gluing or laminating. EPP & EPE does not hourglass.

Design Advantages of EPE & EPP

- ◆ High quality appearance
- ◆ Retains shape
- ◆ Conventional fabricating methods
- ◆ Straight side walls
- ◆ Optimal surface area
- ◆ Minimum distortion
- ◆ High product/package integrity
- ◆ Lower material usage
- ◆ Excellent bonding capabilities



The Leader of Fabricated and
Molded Foam Packaging



Let the qualified staff at
Poly Foam Inc help you to create
the right protection for your
cushioning needs.

Performance Advantages of EPE & EPP

- ◆ Excellent energy absorption
- ◆ Limited water absorption
- ◆ Multiple impact protection
- ◆ Thermal stability
- ◆ Equal performance with lower density
- ◆ Good compressive creep
- ◆ High chemical resistance
- ◆ Low dynamic set after impact
- ◆ Broad loading range

EXPANDED POLYETHYLENE & POYLPROPYLENE FOR PACKAGING

EPE & EPP helps make your packaging parts environmentally friendly

Environmental Compatibility:

- ◆ No CFC's or HCFC's used
- ◆ No Hydrocarbon Based Blowing Agents Used
- ◆ Reusable
- ◆ Reduces Waste

- ◆ Proven technology
- ◆ Uniform physical properties
- ◆ Yields cost effective solutions
- ◆ Made from expanded beads
- ◆ Colors: white & black

The role of packaging in the environment

Protective cushion packaging has an important role in reducing damage and breakage to manufactured products in the environment. Landfills are rapidly filling up with broken or unusable products. Products damaged in shipping need to be remanufactured, so additional raw materials are used to replace them. More fossil fuels have to be burned creating more carbon dioxide emissions.

Poly Foam Inc, your packaging supplier, will be happy to work with you to establish the correct packaging requirements for you. We will work together on the design, the materials, the processes, the quality and the achievement of your finished packaging part. We provide protection with cost saving designs and engineered solutions for packaging needs. Now in almost it's fifth decade, Poly Foam Inc, has grown to become increasingly versatile and efficient ...thanks to the creativity of the people who work at Poly Foam Inc.

DON'T RISK IT ❖ PROTECT IT



Expanded Polystyrene for:

- ◆ Packaging
- ◆ Insulation
- ◆ Flotation
- ◆ OEM Parts

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